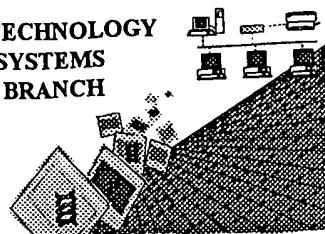


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0570  
2408

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/935,476A  
Source: OLP  
Date Processed by STIC: 4/10/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: [robert.wax@uspto.gov](mailto:robert.wax@uspto.gov) Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202  
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/01/2003

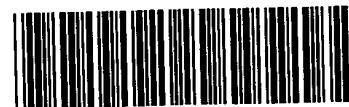
## Raw Sequence Listing Error Summary

ERROR DETECTEDSUGGESTED CORRECTION

SERIAL NUMBER: 09/935, 476A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIEP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/935,476A

DATE: 04/10/2003

TIME: 11:30:27

Input Set : N:\jumbos\huge\09935476a.raw.txt  
 Output Set: N:\CRF4\04102003\I935476A.raw

4 <110> APPLICANT: Epimmune, Inc.  
 5       Sidney, John  
 6       Sette, Alessandro  
 7       Grey, Howard  
 8       Southwood, Scott  
 10 <120> TITLE OF INVENTION: SUBUNIT VACCINES WITH A2 SUPERMOTIFS  
 13 <130> FILE REFERENCE: 39963-20029.20  
 15 <140> CURRENT APPLICATION NUMBER: US 09/935,476A  
 C--> 16 <141> CURRENT FILING DATE: 2003-04-01  
 18 <150> PRIOR APPLICATION NUMBER: US 09/346,105  
 19 <151> PRIOR FILING DATE: 1999-06-30  
 21 <150> PRIOR APPLICATION NUMBER: US 60/264,969  
 22 <151> PRIOR FILING DATE: 2001-01-29  
 24 <160> NUMBER OF SEQ ID NOS: 83  
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

The type of errors shown exist throughout  
 the Sequence Listing. Please check subsequent  
 sequences for similar errors.

## ERRORED SEQUENCES

28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 14  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Tetanus toxin  
 33 <400> SEQUENCE: 1  
 34 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu 1  
 E--> 35 ① 5 10  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 21  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Plasmodium falciparum  
 42 <400> SEQUENCE: 2  
 43 Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe 1  
 E--> 44 ⑤ ⑩ ⑮ ⑳  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 17  
 48 <212> TYPE: PRT  
 49 <213> ORGANISM: Streptococcus (18kD protein)  
 51 <400> SEQUENCE: 3  
 52 Tyr Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala 1  
 E--> 53 5 10 15 Ala  
 55 <210> SEQ ID NO: 4  
 56 <211> LENGTH: 10  
 57 <212> TYPE: PRT

Please re-align amino numbering so that  
 the numbers fall under every 5th amino.  
 See error summary sheet item 3.

insert hard return

5

insert hard return

insert hard return

Asn Val Val Asn Ser

insert hard return

## RAW SEQUENCE LISTING

DATE: 04/10/2003

PATENT APPLICATION: US/09/935,476A

TIME: 11:30:27

Input Set : N:\jumbos\huge\09935476a.raw.txt

Output Set: N:\CRF4\04102003\I935476A.raw

```

58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Analog of the HBV core 18027 epitope
63 <400> SEQUENCE: 4
E--> 64 Phe Leu Pro Ser Asp Tyr Phe Pro Ser Val 1          5          10
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 9
68 <212> TYPE: PRT
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Analog of HBV pol 646
74 <400> SEQUENCE: 5
E--> 75 Phe Thr Gln Ala Gly Tyr Pro Ala Leu 1          5
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 9
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Analog of MAGE 1 282
85 <400> SEQUENCE: 6
E--> 86 Tyr Val Ile Lys Val Ser Ala Arg Val 1          5
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 9
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: HCV NS3 590 9-mer peptide
96 <400> SEQUENCE: 7
E--> 97 Tyr Leu Val Ala Tyr Gln Ala Thr Val 1          5
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 9
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Peptide 953.01
107 <400> SEQUENCE: 8
E--> 108 Ala Leu Ala Lys Ala Ala Ala Val 1          5
4050 <210> SEQ ID NO: 83
4051 <211> LENGTH: 10
4052 <212> TYPE: PRT
4053 <213> ORGANISM: Artificial Sequence
4055 <220> FEATURE:
4056 <221> NAME/KEY: VARIANT
4057 <222> LOCATION: 1
4058 <223> OTHER INFORMATION: Xaa = F, Y, D, E, P
4060 <221> NAME/KEY: VARIANT
4061 <222> LOCATION: 2
4062 <223> OTHER INFORMATION: Xaa = L, M, V, T, Q, A, I
W--> 4064 <221> VARIANT

```

## RAW SEQUENCE LISTING

DATE: 04/10/2003

PATENT APPLICATION: US/09/935,476A

TIME: 11:30:27

Input Set : N:\jumbos\huge\09935476a.raw.txt  
 Output Set: N:\CRF4\04102003\I935476A.raw

4065 <222> LOCATION: 3  
 4066 <223> OTHER INFORMATION: Xaa = F, Y, W, R, K, D, E, G  
 W--> 4068 <221> VARIANT  
 4069 <222> LOCATION: 4  
 4070 <223> OTHER INFORMATION: Xaa = P  
 W--> 4072 <221> VARIANT  
 4073 <222> LOCATION: 5  
 4074 <223> OTHER INFORMATION: Xaa = D, E  
 W--> 4076 <221> VARIANT  
 4077 <222> LOCATION: 6  
 4078 <223> OTHER INFORMATION: Xaa = any amino acid  
 W--> 4080 <221> VARIANT  
 4081 <222> LOCATION: (7)...(7)  
 4082 <223> OTHER INFORMATION: Xaa = L, I, V, M, Q, N, P  
 W--> 4084 <221> VARIANT  
 4085 <222> LOCATION: (8)...(8)  
 4086 <223> OTHER INFORMATION: Xaa = H, R, K, D, Q, N  
 W--> 4088 <221> VARIANT  
 4089 <222> LOCATION: (9)...(9)  
 4090 <223> OTHER INFORMATION: Xaa = R, H, K  
 W--> 4092 <221> VARIANT  
 4093 <222> LOCATION: (10)...(10)  
 4094 <223> OTHER INFORMATION: Xaa = V, I, L, M, T, A  
 W--> 4096 <400> 83  
 W--> 4097 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 4098 1 5 10  
 E--> 4100 (39) delete

## VERIFICATION SUMMARY

DATE: 04/10/2003

PATENT APPLICATION: US/09/935,476A

TIME: 11:30:28

Input Set : N:\jumbos\huge\09935476a.raw.txt

Output Set: N:\CRF4\04102003\I935476A.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:35 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1  
L:35 M:301 E: (44) No Sequence Data was Shown, SEQ ID:1  
L:35 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:0 SEQ:1  
L:44 M:301 E: (44) No Sequence Data was Shown, SEQ ID:2  
L:44 M:252 E: No. of Seq. differs, <211> LENGTH:Input:21 Found:0 SEQ:2  
L:53 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:53 M:252 E: No. of Seq. differs, <211> LENGTH:Input:17 Found:1 SEQ:3  
L:64 M:301 E: (44) No Sequence Data was Shown, SEQ ID:4  
L:64 M:252 E: No. of Seq. differs, <211> LENGTH:Input:10 Found:0 SEQ:4  
L:75 M:301 E: (44) No Sequence Data was Shown, SEQ ID:5  
L:75 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:5  
L:86 M:301 E: (44) No Sequence Data was Shown, SEQ ID:6  
L:86 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:6  
L:97 M:301 E: (44) No Sequence Data was Shown, SEQ ID:7  
L:97 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:7  
L:108 M:301 E: (44) No Sequence Data was Shown, SEQ ID:8  
L:108 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:8  
L:125 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:130 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:134 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:149 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:153 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:157 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9  
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:176 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:181 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:185 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:190 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:195 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:200 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:227 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:236 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:241 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:251 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:279 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:283 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12

## VERIFICATION SUMMARY

DATE: 04/10/2003

PATENT APPLICATION: US/09/935,476A

TIME: 11:30:28

Input Set : N:\jumbos\huge\09935476a.raw.txt

Output Set: N:\CRF4\04102003\I935476A.raw

L:292 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:297 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:302 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:306 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:310 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12  
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:329 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:342 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:347 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:352 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:360 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13  
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:383 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:387 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:392 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:397 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:402 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:406 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14  
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:430 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:435 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15  
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:1030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:1142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:1357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:1461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:1511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:1567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:1623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:1679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0

## VERIFICATION SUMMARY

DATE: 04/10/2003

PATENT APPLICATION: US/09/935,476A

TIME: 11:30:28

Input Set : N:\jumbos\huge\09935476a.raw.txt

Output Set: N:\CRF4\04102003\I935476A.raw

L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:1791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:1848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:1905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:2017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:2073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:2129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:2185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:2297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:2350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:2401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:2452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:2503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0  
L:2553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
L:2603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
L:2656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0  
L:2709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0  
L:2763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:2817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0  
L:4100 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:83